LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

3140 "N" STREET Lincoln, NE 68510-1514 (402) 441-8000

NON TRANSFERABLE

PERMIT

Permit No. 98380172701

SEWAGE INSTALLATION
SEPTIC SYSTEM

Issued 03/04/98
Expires 09/04/98
Revenue Code 3157

Establishment

LYLE LOTH
T9N R6E SEC 21
CARDWELL WDS-1ST ADD LOT 2
2301 W DENTON RD

FEES: $150.00

PAID

TOTAL $150.00

Permittee

LYLE LOTH
4215 BARKWOOD LN
LINCOLN NE 68516-2917

Gregg Wright MD

Issued By M. Jane Ford
Health Director

6202

THIS LICENSE OR PERMIT IS ISSUED SUBJECT TO REVOCATION AS PROVIDED BY LAW "POST IN A PROMINENT PLACE"

Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

A

Permit Number: 98380172701

Sewage Disposal System

Request for Site Clearance and Permit

Include Form B, Form C and Applicable Fees with this Application.

☒ Septic System ☐ Lagoon ☐ Other (Refer to Form C)

Sent to BHS 9-1-98

The undersigned hereby requests site clearance and permit to construct a Sewage Disposal System in conformance with appropriate resolution or ordinance, as described herein:

PLEASE PRINT OR TYPE

A. System Location (Indicate correct number and street)

Address 2301 W. Denton Road (no rural route) City Lincoln NE, Zip 68523

Legal Description 21 (1/4) 9N (1/4) 6E (Section, Township, Range) Cardwell Woods (Subdivision) 1st Add. (Addition) 2 (Block) (Lot)

Geographical Location (if known): Longitude _____ Latitude _____

☐ Check if system mail address is not the same as the owner's address

B. Owner

Name Lyle Loth Signature Lyle J Loth

Address 4215 Barkwood Lane City/State/Zip Lincoln, NE 68516

☐ Check if owner designed system Home Phone _____ Work Phone _____

C. Contractor

Name _____ Company Name _____

Address _____ City/State/Zip _____

☐ Check if contractor designed system Work Phone _____

D. Engineer/Installer ☒ Check and complete if engineer designed system

Designer Name Lyle Loth Firm E-S-P Work Phone 484-5500

E. This System Will Serve a

☒ Residential Dwelling Number of Bedrooms 4 Is there a Whirlpool Bathtub (YES) NO

☐ Commercial Establishment/Other Facility Specify _____

Design flow in gallons per day _____ Type of Wastewater: ☒ Domestic ☐ Non-Domestic.

DO NOT WRITE BELOW THIS LINE

Approval Process ☒ Municipal Code 24.38 ☐ County Resolution No. 2832

1. **Health Department** Date rec'd 3/4/98 Date frwd 3/5/98 ACTION ☒ Approved ☐ Disapproved Signature Jerrold C. Hood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 3-5-98 Date frwd 3-5-98 ACTION ☒ Approved ☐ Disapproved Signature _____
3. **City or County Engineer** Date rec'd 3-5-98 Date frwd 3-5-98 ACTION ☒ Approved ☐ Disapproved Signature _____

Installation Final Written Approval

By Joel Shen

Date 9-1-98 D Reid Brown

Business Office Use Only

Date Rec'd 03/04/98

Amt Paid 150.00

Rec'd By _____ Cash/Check No. 3916

FORM 23-100 10-96 White - Health Dept. Yellow - Engineer Pink - Bldg. Inspector

Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

B

Permit Number:

Sewage Disposal System

Soil Absorption Test Data Report

Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 2301 W. Denton Road (no rural route) City Lincoln NE, Zip 68523

Owner Lyle Loth Addresss 4215 Barkwood Lane - Lincoln, NE 68516

Soil Type (SCS): Judson Silty Clay Loam Percolation Rate: 10 min./inch

Date of Tests 2-21-98 to 2-24-98 Weather: Precipitation _____ Temperature _____

Percolation Test Data Table

A.	B.	C. D. E. F. Pre-Saturation Period				G. H. I. J. K. Percolation Readings					L. M. N. Results		
		Start		End		Start			End				
Hole No.	Hole Depth (in)	Date (Mo/Da)	Time (Hr/Min)	Date (Mo/Da)	Time (Hr/Min)	Date (Mo/Da)	Time (Hr/Min)	Water Lev (in.)	Date (Mo/Da)	Time (Hr/Min)	Elapsed Time (Min)	Water Level Drop (in)	Percolation Rates (Min/in)
1	30"	2/21	5:30	2/23	4:15	2/24	6:09	10"	2/24	6:24	15	2	7.5
2	30"	2/21	5:35	2/23	4:20	2/24	6:10	8"	2/24	6:25	15	2	7.5
3	30"	2/21	5:40	2/23	4:25	2/24	6:11	5 7/8"	2/24	6:26	15	1	15
4	30"	2/21	5:45	2/23	4:30	2/24	6:12	5 1/8	2/24	6:27	15	1 1/2	10
5	30"	2/21	5:50	2/23	4:35	2/24	6:13	9 1/2"	2/24	6:28	15	1 3/4"	12.5 (9)
6	30"	2/21	5:55	2/23	4:40	2/24	6:14	8"	2/24	6:29	15	2"	7.5

Person Conducting Percolation Tests

Name: Lyle L. Loth

Phone: 484-5500

Address 4910 Normal - Suite D
Lincoln, NE 68506

Sum of Percolation Rates: 60

Average of Rates: 10

Rate Used for Calculation: 10

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of Reviewing Official Jerrold C. Hood Date 4/5/98

FORM 23-101 10-96

Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

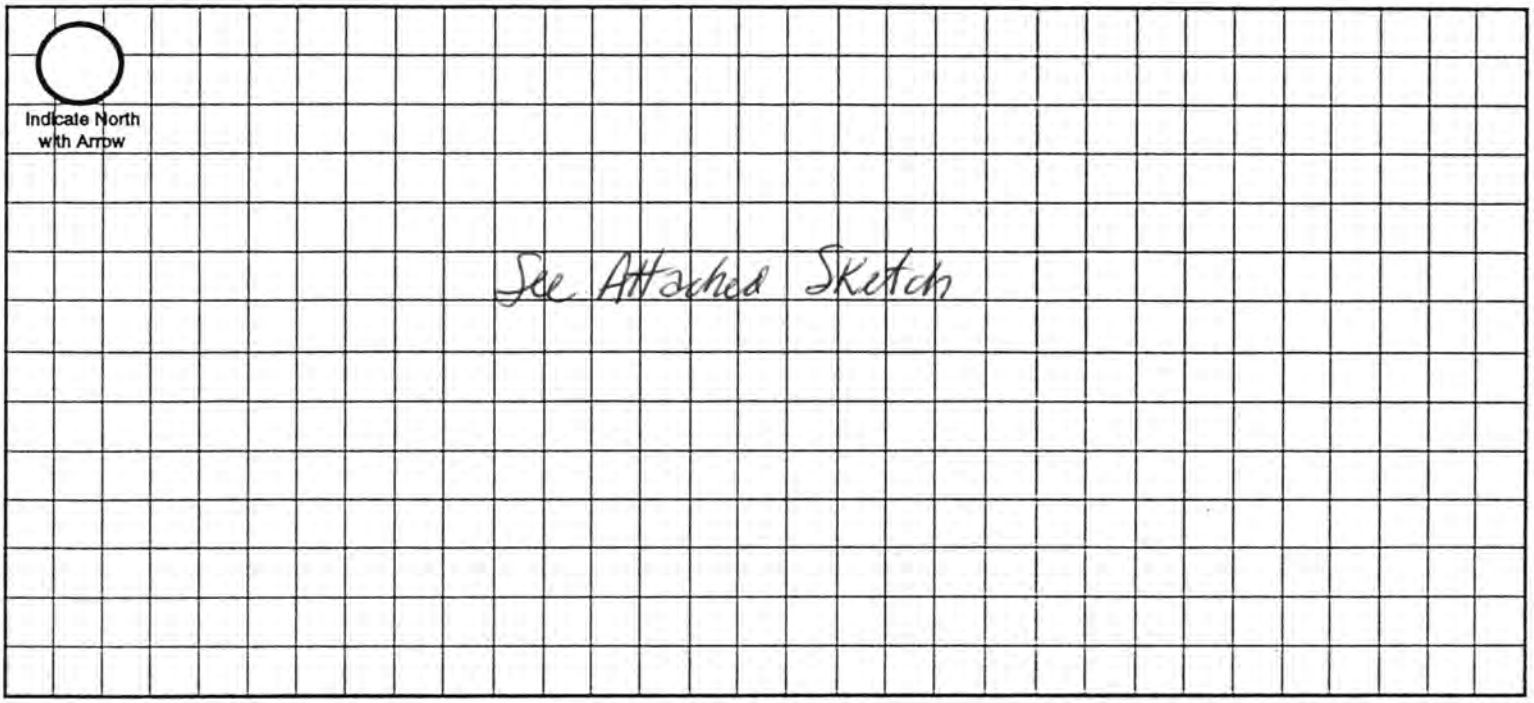
C

Permit Number:

Sewage Disposal System

Preliminary Plan Specifications

Draw a plot plan showing system location, lines, distribution box, tank and laterals, percolation test hole locations, well, residence, compass direction and property lines. Indicate on drawing if residence and well are existing or proposed.



Approximate Scale: _____ ft. = _____ grid line/s

A. System Location (Indicate correct number and street)

Address (no rural route) 2301 W. Denton Road City Lincoln NE, Zip 68523

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other _____

C. Proposed Absorption System (See Form B for Percolation Information)

Percolation Rate 10 (min. per inch) Soil Type: Judson Silty Clay Loam Land Slope: _____ %

Type of Absorption System: ☒ Trench ☐ Bed ☐ Other _____

Total Square Feet of Field Required: 660 sq. ft.

Type of Lateral: ☐ Half-Moon ☒ Perforated Pipe ☐ Other Lateral Material: _____

Capacity of Septic Tank 1500 gals Number of Absorption Beds: — Number of Distribution Laterals per Bed _____

Total Length of Laterals 400 ft. Number of Trenches 4 @ 100' Trench Width 2

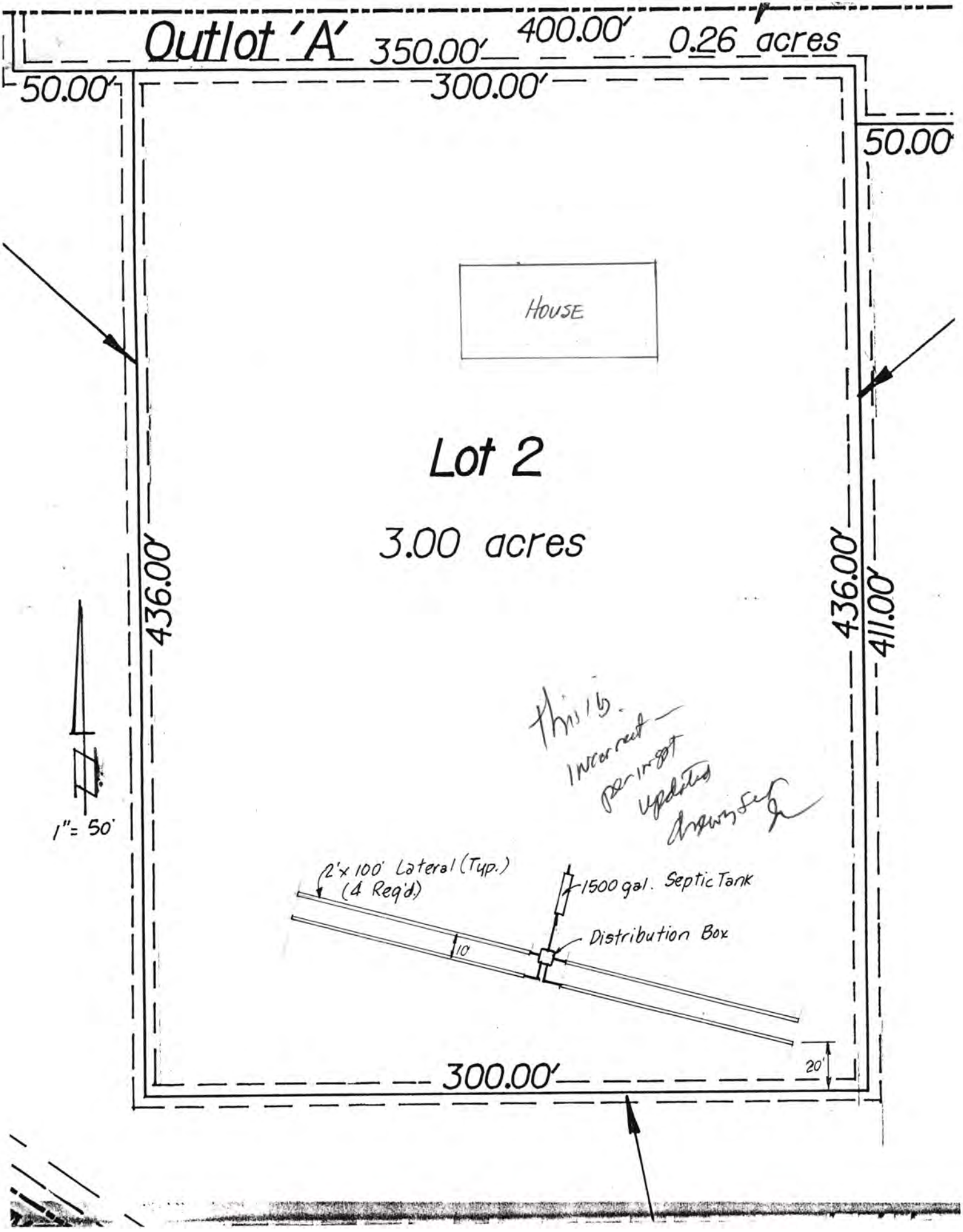
D. Setbacks Check the Boxes Below if the Required Setback has been Satisfied

Distance From	Private Well	Public Well	Surface Water	Gound Water	Pressure Water Lines	Property Lines	Foundations Yours	Foundations Neighbors	All Other Setbacks
Tank (ft)	50 ☒	500 ☒	50 ☒	NA ☒	25 ☒	20 ☒	15 ☒	25 ☒	☒
Field (ft)	100 ☒	500 ☒	50 ☒	4 ☒	30 ☒	20 ☒	30 ☒	40 ☒	☒
Lagoon (ft)	100 ☐	500 ☐	50 ☐	N/A ☐	30 ☐	50 ☐	100 ☐	200 ☐	☐

E. Required Signatures

Home Building Contractor _____ Date _____

Installer Lyle L. Lotz Date March 4, 1998


Outlot 'A'
350.00'
400.00'
0.26 acres
50.00'
300.00'
50.00'
HOUSE
Lot 2
3.00 acres
436.00'
436.00'
411.00'
this is incorrect per in-spot updates
1" = 50'
2' x 100' Lateral (Typ.) (4 Req'd)
1500 gal. Septic Tank
Distribution Box
10'
20'
300.00'

Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
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D AUG 31 1998

Permit Number: 98380172701

Sewage Disposal System

As Built Plans & Specifications

Date 8-25-98 Lyle Loth

System Location (Indicate correct number and street)

Address 2301 W. Denton Road (no rural route) City Lincoln NE, Zip 68523

A. Building Sewer

1. Material: ~~Sch~~ PVC
   Diameter: 4 in.
2. Distance above basement floor: 36 in.
   or distance below basement floor: _____ in.
3. Distance between dwelling and septic tank: 220 ft.
4. Number of clean-outs: 2
5. Distances to: well or suction line 90 ft.
   stream NA ft.
   pressure line NA ft.
   property line ~~30~~ 15 ft.

B. Septic Tank

1. Material: Concrete
   Number of compartments: 1
2. Capacity: 1500 gal.
3. Factory built: ☑ Yes ☐ No
4. Manholes: Over inlet, diameter _____ in.
   Over outlet, diameter _____ in.
   Riser: ☐ above ☐ below grade _____ in.
5. Inlet: ☑ baffle ☐ tee
6. Outlet: ☑ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: _____ in.
8. Distances to: Well or suction line 260 ft.
   Stream NA ft.
   Pressure line NA ft.
   Property line 15 ft.

C. Distribution Box

1. Material: Concrete
   Number available outlets: 5
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 41 ft.

D. Absorption Field

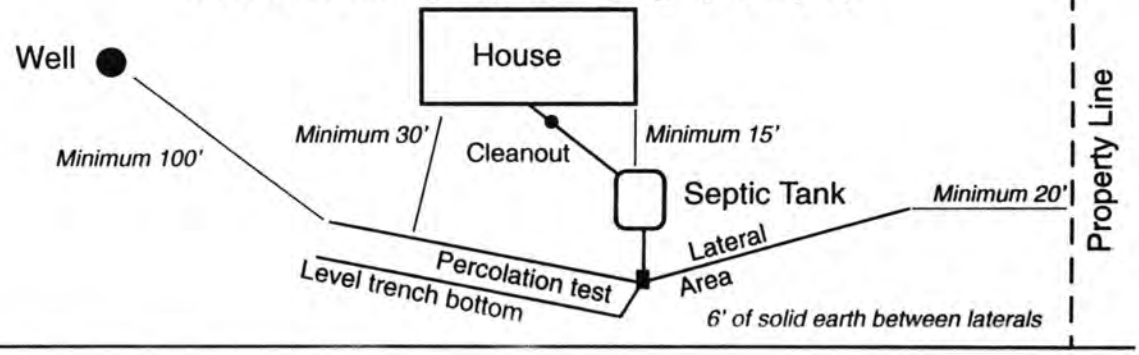
(Provide as-built drawings on back of this form)

1. Type: ☐ Half rounds ☑ Perforated pipe
   Diameter of half round: _____
   or perforated pipe: 4"
   Material: ☐ fiberglass ☑ plastic ☐ concrete
   ☐ other _____
2. Lateral lines: Number 4
   Length of each line: 100 ft. 90 ft.
   100 ft. 100 ft., _____ ft.
3. Trench dimensions: Width 2 ft.
   Slope 6" in/100 ft.
   Average depth 30" in
4. Filter material: Gravel
   Depth of material 8 in.
5. Distances to: Well or suction line 290 ft.
   Stream NA ft.
   Pressure line NA ft.
   Property line 25 ft.

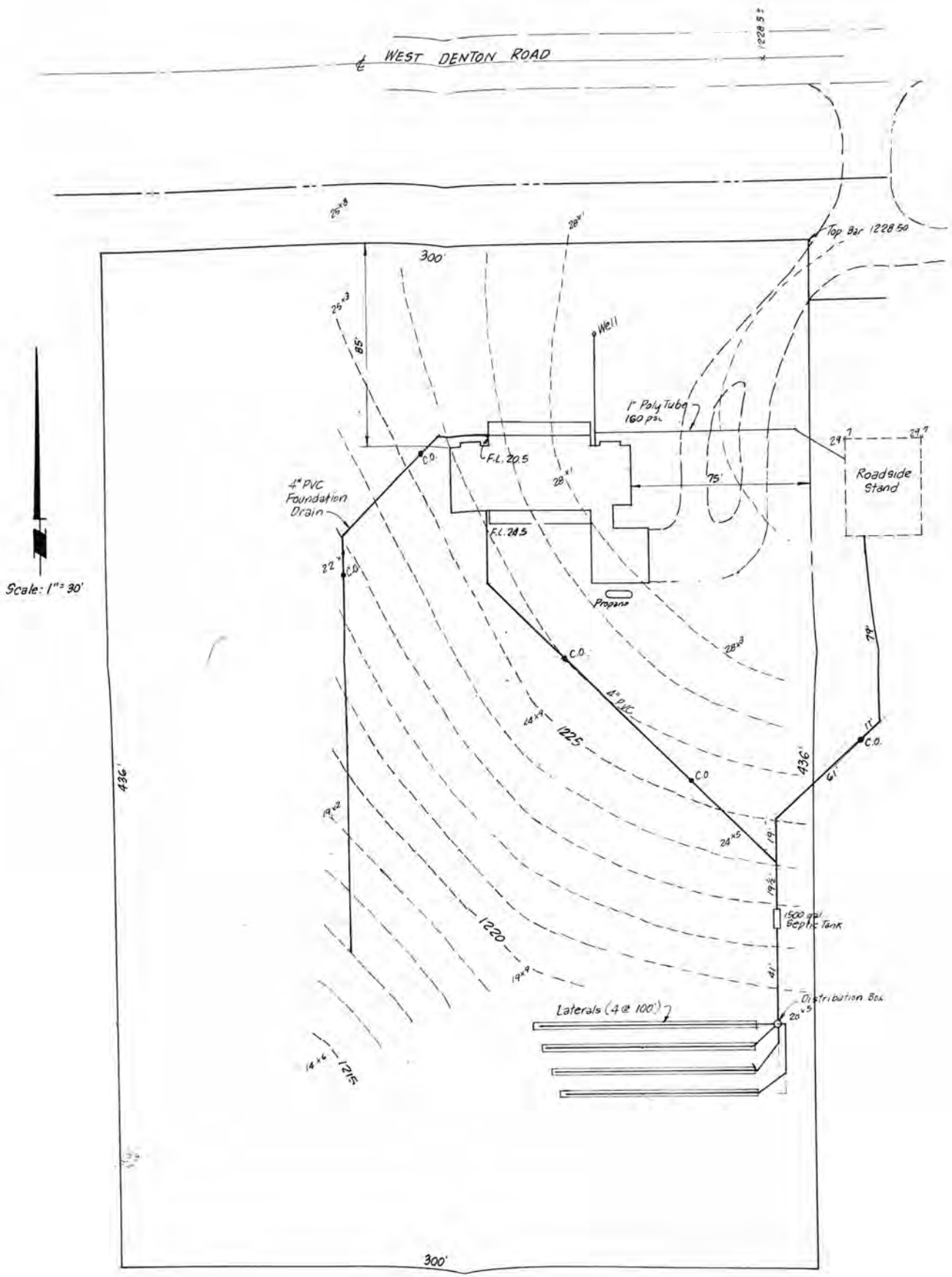
Indicate North with Arrow

Complete "As Built" drawing on back of this form.

Individual Sewage System Design (Example)



FORM 23-103 10-96



Permit # 98380172701 (3-4-98)

"AS-BUILT"

Lyle & Diane Loth 2301 W. Denton Road	LOT 2, CARDWELL WOODS 1ST ADD.	**Garber & Work, Inc.** Lincoln, Nebraska ENGINEERING • ARCHITECTURE Scale: 1" = 30' Date: October, 1997	Drwg. No.